Index of Claims



Application No.

09/937,264

Examiner

MORRISON, CHRISTOPHER

Non-Elected

**ANDREW** Art Unit

Applicant(s)

John R. Hardee

1751

Rejected Allowed

(Through numeral) Cancelled

Restricted

N Interference

Appeal Α

0 Objected

| Cla        | im       | Date         |          |  |  |  |           |          | [             | Claim  |   |  |           | Date      |              |          |              |                |              |              |
|------------|----------|--------------|----------|--|--|--|-----------|----------|---------------|--|---|--|-----------|-----------|--------------|----------|--------------|----------------|--------------|--------------|
| Final      | Original | うべか          |          |  |  | Î  |           |          |               |  |   | Final  | Original  |           |              | ļ        |              |                |              |              |
| 🗓          | Ö        | 02           |          |  |  |  |           |          |               |  |   | ш  |           | _         |              |          |              |                |              |              |
|            | 1        |              |          |  |  |  | _         | $\Box$   |               |  |   |  | 51        | _         |              | _        |              |                |              | _            |
|            | 2        |              |          |  |  |  |           | _        |               |  |   |  | 52        | _         |              | _        | _            |                |              | _            |
|            | 3        | L            |          |  |  |  |           |          |               |  |   |  | 53        | _         | -            | _        |              |                | $\vdash$     | _            |
|            | 4        |              |          |  |  |  | _         |          |               |  |   |  | 54        | <u></u> } | 4            | _        |              |                | Н            | $\vdash$     |
|            | 5        |              |          |  |  | _  |           |          | _             |  |   |  | 55        |           | -1           |          |              |                | Н            | $\vdash$     |
| Ш          | 6        | Ļ            | L_       |  |  |  |           | !        | <u> </u>      |  |   |  | 56        | $\dashv$  | $\dashv$     |          | _            |                |              |              |
|            | 7        | <u> </u>     |          |  |  |  |           |          | <u> </u>      |  | ļ |  | 57        |           | $\dashv$     | _        |              |                | Н            | -            |
| $\perp$    | 8        | Ļ.           |          |  |  |  |           |          |               | <u></u>  |   |  | 58        |           | -            |          |              |                | $\vdash$     | $\vdash$     |
|            | 9        |              | <u> </u> |  | _  |  |           |          |               |  |   |  | 59        | $\dashv$  |              |          | _            |                |              | $\vdash$     |
| <u></u>    | 10       | ₩            |          |  |  |  | _         |          | ├             |  |   |  | 60<br>61  | $\dashv$  | $\dashv$     |          | -            |                |              | $\vdash$     |
| <u> </u>   | 11       |              | -        | -  | <b>├</b> ~   | -  |           | <u> </u> |               | <u> </u>   |   |  | 62        | -         | $\dashv$     |          |              | _              | $\vdash$     | -            |
| $\vdash$   | 12       | ┞            | L        | _  |  | L.   | _         | _        | <del> -</del> |  |   |  | 63        | $\dashv$  | _            |          |              |                | -            | Н            |
|            | 13       | -            | ⊢        | _  | -  | <u> </u>   | _         |          |               | <del>                                     </del> |   |  | 64        | $\dashv$  | _            |          |              |                | ├            | ┞            |
|            | 14       | ļ            |          | <u> </u> _                                       |  | $\vdash$   | <u> </u>  | _        |               | ├  |   | ├  | 65        |           | -            |          | -            | -              | ۳            | ╁            |
| <u> </u>   | 15       | ┼-           | _        | -  | <u> </u>   |  | _         |          |               | ┢  | ' | ├─   | 66        | 러         | -            |          |              |                | $\vdash$     | ┢            |
| <u> </u>   | 16       | ┾            | ┢        |  |  |  |           |          |               | ┢  |   |  | 67        | -         | -            |          | _            |                | $\vdash$     | <del> </del> |
| -          | 17<br>18 | $\vdash$     | -        |  |  |  | ⊢         | ⊢        |               |  | ł |  | 68        |           |              |          |              | -              | $\vdash$     | ┌            |
| -          | 19       | ┼            | ┢        | ┝  | ├—   |  |           |          |               | ├  | ł | ├─~  | 69        |           |              | _        | -            | t              | _            | H            |
| -          | 20       | ⊢            | ├        |  | -  |  |           |          |               | $\vdash$   | ł | <del>-</del>                                     | 70        |           | _            |          |              | ┪              | $\vdash$     | ⇈            |
|            |          | ╁            | $\vdash$ |  |  | <del>                                     </del> | ┝         |          | ┢╌            | ╁  | ł |  | 71        |           |              |          |              | Т              | $\vdash$     | T            |
| -          | 21<br>22 | ╁            | ├        | <del>                                     </del> | -  | $\vdash$   |           | -        | -             |  | ł | <del>                                     </del> | 72        |           |              |          | _            | 1-             | $\vdash$     | <del> </del> |
| -          | 23       | -            | ⊢        | 1—   | <del>                                     </del>   | ╁─   | $\vdash$  | $\vdash$ | ╁             |  | ł | -  | 73        |           |              |          |              | _              | $\vdash$     | Т            |
| -          | 24       | ┼            | ┢        | ├  |  | $\vdash$   | -         | $\vdash$ |               |  | 1 | ├──  | 74        |           |              | _        |              |                | 1            | Г            |
| $\vdash$   | 25       | +            | ┝╌       |  | -  |  |           |          |               |  | ĺ | $\vdash$   | 75        |           |              |          |              | ļ —            | Т            | -            |
|            | 25<br>26 | $\vdash$     | -        |  | ├  |  |           |          | $\vdash$      |  | 1 | 一  | 76        |           |              |          |              | 1              | Т            | Γ            |
|            | 27       | +            | ┢        |  |  | <del> </del>                                     | T         |          | 1             | 1  | 1 |  | 77        |           |              |          |              | $\Box$         | Г            | Г            |
| -          | 28       | ╁╤           |          | ├-   |  | $\vdash$   |           |          |               | ╁  | 1 | <u> </u>   | 78        |           |              |          |              |                | Γ            |              |
| $\vdash$   | 29       | H            | T        | ┢  |  | İ  | -         |          |               |  | 1 | $\vdash$   | 79        | $\Box$    |              |          |              |                |              |              |
|            | 30       | 17           | ╁┈       |  | 1  |  | Г         | <u> </u> | 1             |  | 1 |  | 80        |           |              |          |              |                |              | Ţ            |
| -          | 31       | ⇈            | 1        |  |  | 1  |           |          | Г             | 1  | 1 |  | 81        |           |              |          |              | L.             | Ľ            | L            |
| <b>—</b> — | 32       | ╫            |          | ╎  |  |  |           |          |               |  | 1 |  | 82        |           |              |          | <u>L</u> .   |                | L            | L            |
|            | 33       | #            |          | Г  |  |  | ┌┈        | 1        |               |  | 1 |  | 83        |           |              |          |              |                | 丄            | L            |
|            | 34       | 1            | Τ        |  |  |  |           |          |               |  |   | Ľ  | 84        | L         |              |          |              | L              | Ļ            | ┺            |
|            | 35       | 11           |          | Γ  | Ī  |  |           |          |               |  |   | <u> </u>   | 85        |           | <u>L</u> .   |          | <u> </u>     | Ļ.,            | 丄            | ļ.,          |
|            | 36       | 1            | Γ        | Ī  |  | Ī  |           |          |               | L.   |   |  | 86        | L         | <u> </u>     | L        | <u> </u>     | ┖              | 1_           | ╀            |
|            | 37       |              |          | Ī  |  |  |           |          |               |  | ] | <u></u>  | 87        | <u> </u>  |              | <u> </u> |              | _              | <del> </del> | ╀            |
|            | 38       | 1            |          |  |  |  | <u></u>   |          |               |  | ╛ | <u></u>  | 88        | _         |              |          |              | <u> </u>       | ┸            | ╄            |
|            | 39       |              |          | L.   |  |  |           | L.       |               |  | ] | <u></u>  | 89        | ┖         |              | ļ        | <u> </u>     | ╄              | ╄            | ╀-           |
|            | 40       | $\mathbf{I}$ |          | L  |  | <u>L</u>   | <u> _</u> | 1_       |               |  | 1 | <u> </u>   | 90        | _         | <u> </u>     | <u> </u> | _            | ļ              | ╄            | 4-           |
|            | 41       | $\prod$      |          | L  | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |  | 1_        | _        | <u> </u>      |  | 1 | <u> </u>   | 91        | _         |              |          |              | ╄              | $\bot$       | $\perp$      |
|            | 42       | 11           |          | 1  | 1_   | _  | 1         | ļ        | 1             | .ļ_  | 4 | <u></u>  | 92        | 1-        | _            | <u> </u> | <del> </del> | +              | +            | +            |
|            | 43       | 11           | 4_       | <u> </u>   | 1  | _  | ↓_        | $\vdash$ | -             | $\bot$   | 4 | <u></u>  | 93        | $\vdash$  | <u> </u>     |          | +            | ╀              | +            | +            |
| L_         | 44       | 11           | 1        | 1_   | <b>Ļ</b> -   | 1  | $\vdash$  | ↓_       | _             |  | 4 | <u></u>  | 94        |           | 1            | 1        | -            | +              | +-           | +            |
| <u> </u>   | 45       |              | 1        | ↓.   | _  | <del> </del>                                     | <u> </u>  | 1        | -             | +  | 4 | -  | 95        | $\vdash$  | <del> </del> | +        | $\vdash$     | <del> </del> - | +            | +-           |
| $\vdash$   | 46       | -            | $\perp$  | ╀-   | +  | ┼-   | ╨         | +        | _             | +  | - | <u> </u>   | 96        | $\vdash$  | ├            | +-       | +            | +              | +            | +-           |
|            | 47       | $\bot$       | -        | 4  | -  | +  | $\vdash$  | ┼—       |               | +  | - | $\vdash$   | 97        | 1         | $\vdash$     | +-       | +            | +-             | +            | +            |
| <u> </u>   | 48       | +            | _        | <del> </del> -                                   | +  | <del> </del>                                     | +         | +        | +             | +  | 4 | -  | 98        | $\vdash$  | <del> </del> | +        | -            | +              | +-           | +            |
| <u> </u>   | 49       |              | 1        | -  | +  |  | +         | +        | +             |  | 4 |  | 99<br>100 | ╀         | -            | $\vdash$ | +-           | +              | +-           | +            |
| L          | 50       | _l           |          |  |  |  |           | 1        |               |  | _ | L  | 1100      | 1_        | <b>1</b>     | 1        | —            | —              |              | _Ļ           |

| Claim       |                | Date            |              |    |   |          |                |          |          |          |  |  |
|-------------|----------------|-----------------|--------------|----|---|----------|----------------|----------|----------|----------|--|--|
|             |                | $\neg \top$     | Ī            |    |   |          |                |          |          |          |  |  |
| Final       | Original       |                 |              |    |   |          |                |          |          |          |  |  |
| -           | 0              | -               |              |    |   |          |                |          |          |          |  |  |
| $\vdash$    | 51             | 寸               |              |    |   |          |                |          |          |          |  |  |
| <del></del> | 52             | _               |              |    |   |          | $\vdash$       |          | _        |          |  |  |
| <b></b>     | 53             | $\dashv$        |              |    |   |          | -              |          |          | $\neg$   |  |  |
| -           | 54             | $\dashv$        | $\dashv$     | _  |   |          | -              |          | $\vdash$ |          |  |  |
| $\vdash$    | 55             |                 | -            |    |   | -        | Н              | -        |          | $\neg$   |  |  |
|             | 56             |                 | _            |    |   |          | Н              |          | —        |          |  |  |
| <u> </u>    |                | $\dashv$        |              |    | -   | ⊢        | -              |          | _        |          |  |  |
| <u> </u>    | 57             |                 |              |    | <u> </u>  |          |                |          | _        |          |  |  |
| <u></u>     | 58             | <del>-</del>  - |              | _  |   |          | $\vdash$       | _        | -        |          |  |  |
| <u></u>     | 59             | -               |              |    | _   |          | <u> </u>       |          | ┝┈       | -        |  |  |
|             | 60             | $\dashv$        | _            |    | -   | <u> </u> |                | _        | ⊢        | _        |  |  |
| <u></u>     | 61             | _               |              |    | <u> </u>  | <u> </u> |                |          |          | _        |  |  |
| L           | 62             |                 |              |    |   |          | <u> </u>       | _        |          |          |  |  |
|             | 63             |                 |              |    | <u> </u>  |          | <u> </u>       |          |          |          |  |  |
|             | 64             |                 |              |    |   |          | L              | _        |          |          |  |  |
|             | 65             |                 |              |    |   |          |                | <u></u>  |          | L        |  |  |
|             | 66<br>67       |                 |              |    |   |          |                |          | ļ        |          |  |  |
|             | 67             | $\neg$          |              |    |   | Ĭ        |                | ļ        |          |          |  |  |
|             | 68             |                 | _            |    |   |          |                | Γ        | Ī        |          |  |  |
|             | 69             |                 |              |    | 1   |          | ┌              |          |          |          |  |  |
|             | 70             | 一               |              |    |   | 1        | $\vdash$       | $\vdash$ |          |          |  |  |
|             | 71             | $\dashv$        |              | -  |   | <u> </u> | $\vdash$       |          |          |          |  |  |
| -           | 72             | _               |              |    | <u> </u>  | ╁┈       |                |          |          | _        |  |  |
| -           | 71<br>72<br>73 | -               |              |    |   | ╁        | ┞              | -        |          | $\vdash$ |  |  |
| <b> </b>    | 74             |                 |              | ļ  | ╁╌  | $\vdash$ | ┼─             |          | ┢        | $\vdash$ |  |  |
| <b>├</b>    | 74<br>75       | $\dashv$        | _            | ┝  |   | ╁─       | $\vdash$       |          | $\vdash$ | ⊢-       |  |  |
| ├           | 70             | $\dashv$        |              | ┢  |   | ╁        | $\vdash$       | ├        | ┢        | ⊢        |  |  |
| -           | 76             |                 |              | ├  | <del> </del>  | ┾        | $\vdash$       | $\vdash$ |          | ┢        |  |  |
| <b>├</b> —  | 77<br>78       |                 |              | -  | -   | ╀        | <del> </del> - | ⊢        | $\vdash$ | -        |  |  |
| <u> </u>    | 78             |                 | _            | -  |   | ┿        | -              | ├        | -        |          |  |  |
|             | 79             |                 |              | ┡  | <u> </u>  | ↓_       | $\vdash$       | ├-       | ₩        | ┢        |  |  |
|             | 80             | $\Box$          |              | ļ  | ↓_  | ↓        | ┼              | -        | <u> </u> | -        |  |  |
|             | 81             | Ш               |              |    | _   | ╄.       | ↓_             | _        | Ļ-       | ₩        |  |  |
| L_          | 82             |                 |              | _  |   |          | _              | <u> </u> | <u> </u> | <u> </u> |  |  |
|             | 83             |                 |              | _  | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | $\perp$  | 1_             | _        | $\perp$  | $\perp$  |  |  |
|             | 84             | L.,             |              |    | _   |          | <u> </u>       |          | $\perp$  | <u> </u> |  |  |
|             | 85             |                 |              |    |   | $\perp$  | $\perp$        | 1        | <u> </u> | $\perp$  |  |  |
|             | 86             |                 |              |    |   | $\prod$  |                |          | L        |          |  |  |
|             | 87             |                 |              |    |   |          |                |          |          |          |  |  |
|             | 88             |                 |              | Γ  | 1   |          |                |          |          |          |  |  |
| $\vdash$    | 89             | $\Box$          |              | 1  |   | 1        |                | 1        |          | Γ        |  |  |
|             | 90             | Т               | Г            | 1  | T   | $\top$   | 1              | T        | 1        | T        |  |  |
| -           | 91             |                 | Γ            | 1  | T   | +-       | T              | 1        | 1        | T        |  |  |
| -           | 92             |                 | $\vdash$     | +  | T   | +        | $\top$         | $\top$   | 1-       | $\top$   |  |  |
| <del></del> | 93             | +-              | $\vdash$     | +- | +-  | +        | +              | T        | +        | $\top$   |  |  |
| -           | 94             | $\vdash$        |              | +  | +-  | +        | +              | +        | +-       | +        |  |  |
| <u> </u>    | 95             |                 | $\vdash$     | +  | +-  | +        | 1-             | +        | +        | +-       |  |  |
| -           |                |                 |              | ╁  | +   | ┼-       | +              | +-       | +        | +        |  |  |
| -           | 96             |                 | <u> </u>     | +- | +   | +        | +              |          | +        | +        |  |  |
|             | 97             | 1               | $\vdash$     | +- | +   | +-       | +              | +        | +-       | ╁        |  |  |
|             | 98             | $\vdash$        | <del> </del> | +  | -   | +        | +              | +        | +        | +-       |  |  |
|             | 99             | ـ               | $\vdash$     | +  | ╁-  | +        | -              | +        | +        | +-       |  |  |
| -           | 100            | 1               | ĺ            | ļ  | 1   | 1        | 1              | 1        | 1        |          |  |  |

| Claim        |  | Date   |              |  |            |              |              |                |  |          |  |
|--------------|--|--|--------------|--|------------|--------------|--------------|----------------|--|----------|--|
| Final        | Original                               |  |              |  |            |              |              |                |  |          |  |
|              | 101                                    |  |              |  |            |              |              |                |  |          |  |
|              | 102<br>103                             |  |              |  |            |              |              |                |  |          |  |
|              | 103                                    |  |              |  |            |              |              |                |  |          |  |
|              | 104                                    |  | _            |  |            | L.           | _            |                |  | Ш        |  |
|              | 105                                    | Ш  |              |  |            | L.           | _            |                |  | Щ        |  |
|              | 106                                    |  |              |  | L          | _            | _            | _              |  | -        |  |
|              | 104<br>105<br>106<br>107<br>108        |  |              |  | ļ          | <u> </u>     | _            | <u> </u>       |  |          |  |
|              | 108                                    | $\vdash$   |              |  | ├          | ļ            | <u> </u>     | -              |  |          |  |
|              | 109                                    | H  |              |  | $\vdash$   | ┡            | -            | -              | -  |          |  |
|              | 110<br>111                             | Н  | _            |  | ⊢          | $\vdash$     | <u> </u>     | -              | -  | Н        |  |
|              | 112                                    | -  | $\vdash$     |  | ⊢          | ╁            | $\vdash$     | -              | $\vdash$   | $\vdash$ |  |
|              | 112                                    | $\vdash$   |              |  | $\vdash$   | $\vdash$     | ╁            | $\vdash$       | <del> </del>                                     | $\vdash$ |  |
|              | 114                                    | $\vdash$   | ┝┈           | -  | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$       | <del>                                     </del> | $\vdash$ |  |
|              | 113<br>114<br>115                      | -  | $\vdash$     | <del>                                     </del> | -          | $\vdash$     | ├-           |                | 一  | Н        |  |
|              | 116                                    | <del>                                     </del> | $\vdash$     | $\vdash$   | ╁╌         | $\vdash$     | 一            | $\vdash$       | $t^-$  | H        |  |
|              | 116<br>117<br>118                      | <del> </del>                                     | H            |  | Τ-         |              | T            |                | $\vdash$   |          |  |
|              | 118                                    | $\vdash$   | -            |  | t          | 1            |              |                |  |          |  |
|              | l 110                                  | <del> </del>                                     |              |  |            | $\vdash$     | ⇈            |                | T  | П        |  |
|              | 120                                    | _  | $\vdash$     |  | T          |              | 1            |                |  |          |  |
|              | 121                                    |  | Γ            | Т  |            |              | I            |                |  |          |  |
|              | 120<br>121<br>122<br>123               | Π  |              |  |            |              |              |                | $\Gamma_{-}$                                     |          |  |
|              | 123                                    |  |              |  |            | _            |              |                |  |          |  |
| -            | 124<br>125<br>126<br>127<br>128<br>129 | L_   |              |  | <u> </u>   |              | ļ            |                | ļ  | Ш        |  |
|              | 125                                    |  |              | 1  | 1_         | Ļ            | Ļ.           | _              | ļ  | Ш        |  |
|              | 126                                    | _  | ļ            |  | <u>Ļ</u> . | $\perp$      |              | ļ              | ▙  | Н        |  |
|              | 127                                    | <u> </u>   | <u> </u>     | <del> </del>                                     | ╄          | <del> </del> | ļ            | ⊢              | —  |          |  |
|              | 128                                    | <del> </del> _                                   | ┡            | ↓_   | _          | ╄            | <del> </del> | ⊢              | ₩  | $\vdash$ |  |
|              | 129                                    |  | <u> </u>     | 1  | ⊬          | +            | ╀            | <del> </del> - | <b>-</b>   | $\vdash$ |  |
|              | 130<br>131                             | _  | ┞            | $\vdash$   | ┼-         | ╄            | $\vdash$     | ┾╌             | ┾╌   | $\vdash$ |  |
|              | 131                                    | -  | ⊢            | ₩  | ╁          | +            | +            | +-             | +-   | Н        |  |
|              | 132                                    |  | ┢            | +-   | ╁          | ╁            | ┾┈           | $\vdash$       | +  |          |  |
| <u> </u>     | 133<br>134                             | +  | ┢            | +  | ╂          | +            | +            | +-             | +-   | $\vdash$ |  |
| <del> </del> | 134                                    | +-   | +            | +  | +-         | +-           | +            | +              | +-   | $\vdash$ |  |
| ├─-          | 135<br>136                             | +  | ┼            | +  | +          | +            | +            | +              | +  | 1        |  |
|              | 137                                    | +  | t            | +  | +          | +            | $\top$       | +-             | $T^-$  |          |  |
| $\vdash$     | 138                                    | $\top$   | t            | ╁  | ┰          | $\top$       | T            | † †            | $\top$   |          |  |
|              | 139                                    | $\top$   | 1            | T  | 十          | 1            | 1-           | İ              |  |          |  |
| $\vdash$     | 140                                    | T  | T            | 1  | $\top$     | $\top$       |              | Τ              | T_   |          |  |
| $\vdash$     | 141                                    | $\top$   |              | Т  | $\top$     | 1            |              |                | 1_   |          |  |
|              | 142                                    |  |              | 1  |            |              |              | L.             | $\perp$  |          |  |
|              | 143                                    |  | L            | L  |            | $\perp$      | _            | $\perp$        | ـــــ  | _        |  |
|              | 144                                    |  |              | $\perp$  | $\perp$    | 4            | ↓_           | _              | _  | 1-       |  |
| 匚            | 145                                    |  |              |  | $\perp$    | $\perp$      | $\perp$      | ↓-             | ↓_   | $\perp$  |  |
|              | 146                                    |  | $\downarrow$ | 4  | 4          | 4            | $\bot$       | ↓-             | ┿-   | $\perp$  |  |
| <u> </u>     | 147                                    | $\perp$  | 1            | 4  | ╄          | +            | 4_           | 1              | -  | ╁-       |  |
| <u> </u>     | 148                                    |  | $\perp$      | 4  | +          | +            | +            |                | 4-   | +        |  |
| <u> </u>     | 149                                    |  | +            | +  | +          | +            | +            | +              | +  | +        |  |
|              | 150                                    |  |              |  | _l_        | 1_           | 1            |                | —  |          |  |